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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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| 10/509,524 | 09/28/2004 | Tuomo Kivisto | 6009-4714 | 7838 |
| 7590 | | 11/16/2007 | | |
| Israel Blum Morgan & Finnegan, 3 World Financial Center New York, NY 10281-2101 | | | | |
| | | | EXAMINER BELL, BRUCE F | |
| | | | ART UNIT 1795 | PAPER NUMBER |
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/509,524

Applicant(s)

KIVISTO ET AL.

Examiner

Bruce F. Bell

Art Unit

1795

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☐ Claim(s) ____ is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 28 September 1004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- 1) ☒ Certified copies of the priority documents have been received.
 - 2) ☐ Certified copies of the priority documents have been received in Application No. ____.
 - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date ____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date ____.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: ____.

Claim Rejections - 35 USC § 112

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claims 1-12 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 1-12 are vague and indefinite with respect to how an electrode can be attached to a transfer and insulation device and still be one single piece, since the transfer and insulation device is being instantly claimed. It appears to the examiner that if the electrode was incorporated within the transfer and insulation device and it was manufactured at the same time then it would be one single piece but because the electrode is attached and is not a part of the transfer and insulation device, that the electrode would not be a part of the single piece construction and therefore the transfer and insulation device only has to be capable of inclusion of the electrode and therefore, the electrode would be given little or no patentable weight since the transfer and insulation device of single piece construction is what is being instantly claimed.

Claim Objections

3. Claims 4-12 are objected to under 37 CFR 1.75(c), as being of improper dependent form for failing to further limit the subject matter of a previous claim. Applicant is required to cancel the claim(s), or amend the claim(s) to place the claim(s) in proper dependent form, or rewrite the claim(s) in independent form.

Claims 4-12 do not further limit the transfer and insulation device that is made of a single piece construction but instead adds extraneous features that are separate from that of the transfer and insulation device such as that of the electrode, suspension rod, distribution element, anode and even includes a plurality of these devices connected to either side of an electrode which does not further limit the transfer and insulation device per se, but instead only shows the use of a plurality of such structures, both of which are the same device.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claims 1 and 2 are rejected under 35 U.S.C. 102(b) as being anticipated by Kobayashi (6193863).

Kobayashi discloses a supporting member made of a synthetic resin and inserted around the cathode bar laterally movably along the cathode bar, a first planar contact plate made of a conductive metal material and adapted to utilize the upper part side thereof as a contact leaf part that allows face contact with one lateral face side of the cathode bar. See col. 4, lines 56-66 and Figure 4.

The prior art of Kobayashi anticipates the applicants instant invention as instantly claimed since the support member made of a synthetic resin is made of one piece construction and it is used to transfer the ribbon like product into and out of the

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electroplating solution. Since the support is made of a synthetic resin and is used in an electroplating solution it inherently would be chemically resistant or it would dissolve into the bath causing contamination of the plating bath and would interfere with deposition of the metal onto the ribbon like product.

Claim Rejections - 35 USC § 102

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

7. Claims 1-3 are rejected under 35 U.S.C. 102(e) as being anticipated by Wilson et al (6962649).

Wilson et al disclose in Figure 6A, 6B and 7, a cover of a dielectric sheath that has a bore wherein the cover is a plastic sheath of PEEK or HALAR that encompasses a portion of a conductor which portion of the conductor that is not covered by the dielectric sheath is in contact with the work piece. The dielectric sheath and conductor combination insulates the conductor and allows transfer of electrical current to the work piece.

The prior art of Wilson et al anticipates the applicants instant invention as instantly claimed because the dielectric sheath is of one piece construction and allows electrical conduction transfer through the conductor to the work piece and therefore is

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considered to be a transfer and insulation device because it does insulate the conductor and does transfer electrical current through the conductor to the work piece and since the conductor is molded within the dielectric sheath it is considered to be of a one piece construction, since the conductor is integral with the dielectric sheath.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bruce F. Bell whose telephone number is 571-272-1296. The examiner can normally be reached on Monday-Friday 6:30 AM - 3:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Ryan can be reached on 571 272-1292. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

BFB
October 31, 2007

Bruce Bell
Bruce F. Bell
Primary Examiner
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